The NLM Technical Bulletin

In This Issue

Some delays due to the Government shutdown:

- The January-February and March-April 1996 issues of the *Technical Bulletin* will be combined as one issue, and we regret the delay of the November-December 1995 issue.

- Regular ELHILL database update schedules have been delayed for some files (AIDSLINE, SPACELINE, and HISTLINE); the AIDSLINE 1996 file is expected to be available in early February. Watch the online NEWS for details.

- Contract activities necessary to provide extended access to the MEDLARS Service Desk were delayed. Consequently, the hours of the Service Desk have been temporarily reduced to 8:30 am to 5:00 pm ET, Monday - Friday. Beginning March 25, 1996 evening and Saturday hours are expected to resume.

- The PC/DOS and Macintosh Grateful Med updates for 1996 and Grateful Med for Windows® have been delayed. Watch for announcements in the online NEWS, *Technical Bulletin* and *Gratefully Yours*.

- Oct-Dec 1995 quarterly invoices have been delayed.

HEALTH and HSTAR to Form One Database

In 1996, the Health Planning and Administration (HEALTH) and the Health Services/Technology Assessment Research (HSTAR) databases will be merged into one database, HealthSTAR (Health Services, Technology, Administration, and Research). HEALTH began in 1977 as a cooperative venture between the National Library of Medicine and the American Hospital Association

NLM TECHNICAL BULLETIN

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The NLM Technical Bulletin is an administrative document sent to formal members of NLM's MEDLARS Online Network.

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MEDLARS® DATABASE	TOTAL RECORDS	DATES COVERED	DATE UPDATED	UPDATE TAG
ELHILL® COMPUTER				
AIDSDRUGS	241		20 JAN 96	9601(EM)
AIDSLINE®*	121,022	JAN 80-DEC 95	15 NOV 95	9512(EM)
AIDSTRIALS	707		27 JAN 96	9601(EM)
AVLINE®	29,588	THRU JAN 96	26 JAN 96	960125(DA)
BIOETHICSLINE®	48,299	JAN 73-JAN 96	27 JAN 96	9602(EM)
BIOTECHSEEK	Removed from MEDLARS		03 JUL 95	
CANCERLIT®	1,168,859	JAN 63-JAN 96	27 JAN 96	9601(EM)
CATLINE®	759,862	THRU JAN 96	26 JAN 96	960125(DA)
CHEMID	287,404		20 JAN 96	
CHEMLINE®	1,409,722		23 SEP 95	9508(EM)
DENTALPROJ™	896		29 JUL 95	
DIRLINE®	17,947		30 SEP 95	
DOCUSER®	14,415		27 JAN 96	
HEALTH	851,588	JAN 75-OCT 95	28 OCT 95	9512(EM)
HISTLINE®	155,028	JAN 70-NOV 95	25 NOV 95	9511(EM)
HSRPROJ	2,413		26 SEP 95	9506(EM)
HSTAR**	1,667,782	1985-DEC 95	15 NOV 95	9512(EM)
MEDLINE®***	1,054,619	JAN 93-MAR 96	27 JAN 96	9603(EM)
MED90	1,129,182	JAN 90-DEC 92	09 DEC 95	
MED85	1,688,654	JAN 85-DEC 89	09 DEC 95	
MED80	1,388,916	JAN 80-DEC 84	09 DEC 95	
MED75	1,279,086	JAN 75-DEC 79	09 DEC 95	
MED66	1,986,477	JAN 66-DEC 74	09 DEC 95	
MESH VOCABULARY FILE®	105,186	1996	13 JAN 96	
NAME AUTHORITY FILE®	Removed from MEDLARS		08 APR 95	
PDQ®		THRU JAN 96	16 JAN 96	
POPLINE®	229,006	1970-JAN 96	20 JAN 96	9601(EM)
SDILINE®	23,028	MAR 96	30 JAN 96	9603(EM)
SERLINE®	86,863	THRU DEC 95		
SPACELINE	94,794	THRU JAN 96	27 JAN 96	9512(EM)
TOXLINE®	1,482,639	1981-1996	01 FEB 96	9601(EM)
TOXLINE65	692,918	PRE 1965-1980	25 AUG 95	
TOXLIT®	1,511,130	1981-1996	01 FEB 96	9601(EM)
TOXLIT65	586,405	1965-1980	01 SEP 87	

*	AIDSLINE:	PART 5 OF 5 FOR 9512 (EM) WEEKLY UPDATE
**	HSTAR:	PART 5 OF 5 FOR 9512 (EM) WEEKLY UPDATE
***	MEDLINE:	PART 4 OF 4 FOR 9603 (EM) WEEKLY UPDATE

TOXNET® COMPUTER

	TOTAL RECORDS		DATE UPDATED
CCRIS	6,903		02 JAN 96
DART™	26,767		17 JAN 96
EMIC	12,369		17 JAN 96
EMICBACK	75,886		04 APR 94
ETICBACK	49,591		04 APR 94
GENE-TOX	2,987		17 AUG 95
HSDB®	4,506		21 JAN 96
IRIS	666		03 JAN 96
RTECS®	131,792		27 NOV 95
TRI87	80,404		01 AUG 95
TRI88	87,638		01 AUG 95
TRI89	87,500		31 JUL 95
TRI90	86,995		31 JUL 95
TRI91	85,135		01 AUG 95
TRI92	82,684		31 JUL 95
TRI93	80,379		31 JUL 95
TRIFACTS	326		10 APR 92

Technical Notes

New Clinical Alert Available

The National Cancer Institute (NCI) issued a Clinical Alert entitled "Adjuvant Therapy of Breast Cancer - Tamoxifen Update" on November 30, 1995. The NCI wants to bring new information regarding the optimal duration of adjuvant tamoxifen therapy to the attention of clinicians. New data suggest that more than five years of adjuvant treatment is not warranted in routine clinical practice in this patient population. The full text of this clinical trial alert is available via several NCI services (fax, e-mail, World-Wide Web and PDQ services) and also available to MEDLARS users from the ALERT file. To obtain the Alert by fax, use NCI's CancerFax by calling 301-402-5874 from a fax machine telephone. Follow the voice prompts, enter code 40012 when asked. To receive by e-mail, use NCI's CancerNet by sending an Internet e-mail message to cancernet@icic.nci.nih.gov and look for late-breaking information. Health professionals may also contact the PDQ Search Service at 800-345-3300. The general public may contact the Cancer Information Service at 800-422-6237 to have information from PDQ sent to them.

NLM began offering Clinical Alerts online in January 1991. As noted in previous issues of the *Technical Bulletin,* National Institutes of Health (NIH) Clinical Alerts were begun to expedite the release of findings from clinical trials funded by the NIH when the information might significantly affect morbidity and mortality. To retrieve the new alert online, type **file alert** at the first USER: prompt to enter the file. Then, at the next USER: prompt, type: **alert (tf)** followed by **prt 1 dl** at the next USER: prompt to see the full text of the alert. (type **prt 1** without the dl at the USER: prompt to see an abbreviated entry).

The full text of National Institutes of Health Clinical Alerts are also mailed to all libraries that are members of the National Network of Libraries of Medicine (800-338-7657) and are made available on the NLM Gopher and the NLM anonymous ftp server. To obtain the latest NCI alert from the NLM Gopher, gopher to **gopher.nlm.nih.gov**, select the **National Institutes of Health (NIH) Clinical Alerts**, then select the title given in the first sentence above. The advisory is also available in electronic form via anonymous ftp from the host **nlmpubs.nlm.nih.gov**, in the directory **alerts**, as **tamoxif.txt**.

ChemID Regeneration for 1996

The ChemID file has been regenerated and was made public on January 20, 1996. The file contains data for 287,404 substances. New data from all of its component sources has been added, and all Locator values have been updated. The Superlist component of the file now carries data from 33 federal, state and international lists. For the first time, the CC field of Superlist records contains descriptive data for the IARC, NTPT, RQ, TLV, S110, and S302 sources. This data is both searchable and printable. For a full description of the new Superlist sources, use the following search statement:

(no)list and description

You should retrieve 33 records which then may be printed in full.

E-Mail Address Addition to the MEDLINE Address (AD) Field

Effective in January 1996, an e-mail address will be added to the Address (AD) field of a MEDLINE record (or a record in other files using this same data entry mechanism) as it appears in the journal for the first author. Please remember that any address information, including the e-mail address, is for the author at the time the work/article was done, and it is not necessarily the reprint source.

CHEMLINE, TOXLIT Price Changes

Effective January 1, 1996, the pricing structures of CHEMLINE, TOXLIT and TOXLIT65 files were modified in response to changes in the 1996 royalty rates charged by CAS® (Chemical Abstracts Service). CAS is the supplier of proprietary data for these files.

To accommodate these changes, the NLM Online Pricing Algorithm has been updated for the Search Statement Charge component for CHEMLINE, TOXLIT and TOXLIT65. CAS still does not charge a royalty for the Connect Hour Charge, but has raised its Search Statement Charge royalties.

Please see Table I on the reverse side of Appendix A for the new NLM rates for the five components of the online algorithm for CHEMLINE, TOXLIT, and TOXLIT65. Please note, too, that the charge for each Automatic SDI search from TOXLINE) has also been modified as a result of changes in royalty charges. The NLM portion of all charges has not changed. The online SHOW COST display reflects these changes.

Revised NLM Pricing Schedule

An updated Pricing Schedule for Domestic & Non-U.S. Charges is included as Appendix B of this issue of the *Technical Bulletin.*

1996 NLM Update and Online Users' Meeting at MLA

The NLM Online Users' Meeting at the Annual Meeting of the Medical Library Association in Kansas City, KS, will be a "Lunch and Learn" session on Sunday,

June 2, from 12:30 p.m. until 1:15 p.m. Attendees are invited to join with NLM staff to learn about new NLM initiatives on the information frontier. Plans for new MEDLARS databases, DOCLINE access, and Internet access (including Internet Grateful Med and WWW applications) will be discussed. Specific room assignments for both the Annual Meeting and the Online Users' meeting will be announced in the online NEWS and in the January-April 1996 issue of the *Technical Bulletin*. A complete listing of all NLM-related sessions at the MLA Annual Meeting will be published in both the *NLM News* and *Gratefully Yours*.

Plan to visit NLM representatives at the NLM Exhibit Booth in the MLA Exhibit Hall!

1995 *Technical Bulletin* Index

The 1995 Index to the *Technical Bulletin* is now available. Requests should be directed to:

1995 *Technical Bulletin* Index
MEDLARS Management Section
National Library of Medicine
8600 Rockville Pike
Bethesda, MD 20894
Fax: 301-496-0822
E-mail: mms@nlm.nih.gov

Changes to September-October *Technical Bulletin*

The following are changes to be made to the September-October 1995 *Technical Bulletin*:

The date of the First National Conference on Human Retroviruses and Related Infections was given as December 12-16, **1995** instead of **1993** on page 4 of the September-October Technical Note entitled "Meeting Abstracts Added to AIDSLINE".

The footnote on page 48E should refer to Subheading Pre-explosions and Place of Publication Pre-explosions in Appendixes F and G, not E and F. Users are also advised to become familiar with the new Pharmacologic Action Pre-explosion lists in the 1996 *Annotated MeSH,* beginning on page I-78 and *Tree Structures,* beginning on page I-154. ❏

CAIM Ceases with 1994 Cumulation

NLM has announced that its *Cumulated Abridged Index Medicus* will cease effective with volume 25, the cumulation of the 1994 issues of the monthly *Abridged Index Medicus* (AIM). A cumulation of the 1995 issues will not be published.

The *Abridged Index Medicus* was initiated in 1970 to "afford rapid access to selected biomedical journal literature of immediate interest to the practicing physician." A subset of citations from approximately 119 English-language clinical journals was selected for AIM. Although today it is becoming increasingly difficult to select a core of journals that meets the needs of the practicing physician, this publication has been of value to the community over the years. In the past two decades over two thousand libraries, clinics, colleges, public libraries, and individuals, including libraries in the depository program, have subscribed to the monthly issues and the annual cumulations.

There are several reasons for discontinuing this publication. First, during the past 20 years, increasing numbers of subscribers have been accessing the MEDLINE database directly and therefore subscriptions are declining. Searching MEDLINE provides a much

more efficient way to identify citations relevant to one's information needs and is more cost effective for most users. For example, for the cost of the annual volume, a user could perform approximately 45 Grateful Med searches. And secondly, since there are many demands on scarce Federal dollars, the National Library of Medicine must make some difficult choices between continuing to support existing products and improving or developing new products to meet the needs expressed by health sciences librarians and health professionals.

NLM Associate Director for Library Operations, Lois Ann Colaianni, said recently, "I realize that some find this publication particularly useful, and I would be happy to explore alternative sources for this information with such individuals. Please contact me at 301-496-6921, loisann@nlm.nih.gov, or by mail."

This decision does not affect the unabridged *Cumulated Index Medicus* (CIM). [As we go to press, GPO has announced a price of $423 ($528.75 non-US) for the 17-volume CIM, Vol. 36, 1995, scheduled to appear in May 1996; the stock number is 617-052-00310-4.] Nor does it affect the monthly *Abridged Index Medicus* for 1996.

(AHA). HSTAR was begun in 1994 by NLM's National Information Center on Health Services Research and Health Care Technology (NICHSR). HealthSTAR will continue and expand upon the cooperative venture between AHA and NLM. This new, combined database will incorporate the subject scopes of both HEALTH and HSTAR by citing literature on health care administration, economics, planning, and policy, as well as health services research, clinical practice guidelines, and health care technology assessment.

HealthSTAR will include citations to journal articles, monographs, monographic series, technical and government reports, meeting abstracts, conference papers, book chapters, and newspaper articles. Initially, the database will contain over 2.43 million citations, including citations from MEDLINE and CATLINE, citations indexed by AHA, retrospective NHPIC (National Health Planning Information Center) citations, and citations indexed for NICHSR. Journal literature cited will be post-1975; CATLINE records will be from 1985 forward and there will be no limitations on language. Because of the extremely large number of citations and monthly updates that are expected to be over 17,000 citations, HealthSTAR will be divided into a current file and one backfile. The inclusion dates of these two divisions are yet to be determined. The database will be updated weekly, and will contain all of the data elements currently found in HSTAR records.

It is expected that HealthSTAR will be available on ELHILL in February 1996, maintained with 1996 MeSH and including two or three 1996 Entry Month (EM) updates. The HEALTH and HSTAR databases will continue to be searchable until HealthSTAR is available. However, they will not be maintained with 1996 MeSH and no 1996 entries will be added. NLM and AHA regret the delay of approximately two entry months in making HealthSTAR available. This delay is unavoidable due to the complexity of the task and the necessity to coordinate its implementation with other NLM processes, such as Year-End Processing for MEDLINE and the interaction with Grateful Med and Loansome Doc. With the debut of HealthSTAR, HEALTH and HSTAR will no longer exist as separate files.

Users with Automatic SDI Service against HEALTH and/or HSTAR should refer to the September-October 1995 issue of the *Technical Bulletin*. NLM will run Auto SDIs originally stored for either of these two files against the new HealthSTAR when it becomes available. Strategies should be revised by February 29, 1996. If similar searches are run against both of the existing files, one should be deleted (use the PURGESEARCH command). Retain the one named with the beginning letter of 'H', as that will be the preferred naming convention for the new file. Refer to the revised Automatic SDI Service Request Form (Appendix C) for the print format options for the new file. Regular monthly

processing of HealthSTAR Automatic SDIs is expected to resume in March on the weekend following the SDILINE update.

Upon announcement of availability, HealthSTAR may be accessed by requesting FILE HEALTH, FILE HSTAR, or FILE HEALTHSTAR (or backfile names) at the USER: prompt. Some of the details for the formation of HealthSTAR are still to be determined; watch for announcements in the ELHILL online NEWS, $INFO command, and forthcoming issues of the *Technical Bulletin*. Access to HealthSTAR via the Grateful Med software will be provided by choosing either the HEALTH or HSTAR selection from the Search Other Databases menu.

The *Hospital and Health Administration Index*, formerly the *Hospital Literature Index*, will be derived from HealthSTAR and continue to be published by the American Hospital Association during 1996. Database users and *Index* subscribers may request more information about HealthSTAR by contacting NLM's NICHSR at 301-435-2241, e-mail: nichsr@nlm.nih.gov or the American Hospital Association Resource Center at 312-422-2009, e-mail: rc%aha@mcimail.com. We welcome your comments and concerns and look forward to working with you to keep you apprised of our services, to assist you in accessing our information resources, and to identify ways in which our services can be effective for your needs. ❑

--prepared by Anne Fox
American Hospital Association
Resource Center

NLM Moves to FTS2000 Exclusively, Phasing Out Telenet, TYMNET & CompuServe

Background

Non-Internet telecommunications access to NLM's databases will soon be provided exclusively by the FTS2000 network. Last year NLM introduced a regional schedule for modem users to switch over to NLM's new telecommunications provider, FTS2000, from the existing networks. These value-added networks are Telenet (SprintNet), TYMNET and CompuServe. The new FTS2000 number, 800-525-0216, will replace all existing numbers for access to the NLM databases by the end of 1996. AT&T provides the FTS2000 service for NLM. Many searchers have already switched over to the new FTS2000 network. Some initial performance problems were experienced, but they have been corrected by AT&T.

Grateful Med

The software updates for Grateful Med, DOS Version 6.7 and Macintosh Version 2.3, to be mailed this winter, will include the changes necessary for FTS2000 access to TOXNET, as well as improved FTS2000 scripts for MEDLINE/MEDLARS and PDQ. The updates will not alter the existing communications settings in the user's software. A current DOS or Mac Grateful Med user who is using dialup modem communications must install the update and then use the Setup option to select FTS2000 as their only communications service. New users of Grateful Med should also select FTS2000 as their only communications service. Librarians may wish to contact Grateful Med users in their institutions to assist them in making the necessary changes to Setup so they can continue to connect without disruption as the other networks are discontinued.

Schedule

The phase out schedule for NLM availability via value-added networks is:

Last Date of Service	Network
March 31, 1996	All WATS services (800 numbers for CompuServe, Telenet/SprintNet , and TYMNET)
April 30, 1996	Telenet/SprintNet (all numbers)
June 30, 1996	CompuServe (all numbers)
August 31, 1996	TYMNET (all numbers)

This plan allows NLM to sever the U.S. connections to the current providers in a phased approach, with networks other than FTS available through August on a limited basis. NLM has no choice in this matter. The Government has mandated that NLM must switch to FTS2000 services for asynchronous, dial-up communications. If you have not already switched over to the FTS2000 number, please make the change as soon as possible. For the convenience of non-Grateful Med searchers, we are reprinting the login script to be used with the FTS2000 number in Figure 1 on the following page. Immediately report any problems to the MEDLARS Service Desk at 800-638-8480, or via Internet e-mail: mms@nlm.nih.gov, or by fax: 301-496-0822. International telecommunications are not affected--FTS2000 is only for users in the 50 states and U.S. territories. Similarly, Internet communications are unaffected.   ❑

--prepared by Carolyn B. Tilley
Head, MEDLARS Management Section

Key:
   Use: 7 data bits; 1 stop bit; even parity; full duplex
   Items in **boldface** type should be input by you.

   <-   =   Enter or Return Key
   xyz24/password   =   your User ID Code/Password

   FTS2000 works with 1200, 2400, & 9600 bps

1. Dial 1-800-525-0216; wait for connection.

2. Connect 2400   (This message will vary depending on the communication speed)

3. **<-**

4. WELCOME TO AT&T FTS2000

5. enter login: **nopass <-**   • Nopass is not case sensitive; the network will NOT
                                                              prompt for a password.

6. last login   02/17/94   12:26:00   from 9049059
                                                            • The date, time, and point of origin number will vary.

7. Please Wait

8. 9217355/9303262   • These numbers will vary.
    FAC:P(128,128),W(2,2),D(9600,9600) com

9. NLM welcome menu will display.

10. PLEASE ENTER LOGIN SELECTION
    b <-   • Choose the letter of your choice from the NLM welcome menu.

11. PLEASE ENTER USERID/PASSWORD
    xyz24/password   • Enter your User ID code and password.

Figure 1 - FTS2000 No Password Access Procedure for Command Language Searchers

Access to the MEDLARS Service Desk for Deaf and Hearing-Impaired Searchers

Several options are available for deaf and hearing-impaired searchers to request and receive assistance from the MEDLARS Service Desk:

• A new TDD (Telephone Device for the Deaf) phone number, **301-435-2388,** is now available for accessing the Service Desk.

• Staff will respond to requests for assistance via TDD during regular NLM work hours, i.e., Monday-Friday, 8:30 am - 5 pm, Eastern Time.

• Faxes may be sent to **301-496-0822**. If the question is urgent, consider using TDD instead or relay service.

• Telephone relay service (where a telephone operator relays typed questions by translating these into voice questions to the Service Desk representative) may be used to interact with the MEDLARS Service Desk. Relay services are available in all states, 24 hours a day, 7 days a week, 365 days a year. A list of relay numbers for all states is included as Appendix D. The toll-free number for the MEDLARS Service Desk is **1-800-638-8480**.

• The **mms@nlm.nih.gov** Internet e-mail address may be used for MEDLARS assistance. Questions are answered daily by staff. Please use the **gmhelp@nlm.nih.gov** address for Grateful Med-related questions. ❏

--prepared by Carolyn B. Tilley
Head, MEDLARS Management Section

NLM Policy for Core Level Cataloging of Audiovisuals: A Revision

As of October 1, 1995, NLM policy for core level cataloging of audiovisuals includes the contribution of name authority headings established for audiovisuals and computer software to the national authority file maintained under the auspices of the National Coordinated Cataloging (NACO) Program. With this change, our core level policy for audiovisuals conforms to the basic premise of the emerging national standards for core level bibliographic records presently under development by the Program for Cooperative Cataloging (PCC).

This statement represents a revision to the preliminary policy which specified NLM's decision not to contribute authority records to the national authority database in performing NLM core level cataloging of audiovisuals. For a full description of NLM's policy for core level cataloging of audiovisuals, refer to the article titled AVLINE Update on page 15 of the March-April 1995 *Technical Bulletin*. ❏

--prepared by Alice E. Jacobs
Cataloging Section

more on mesh

NLM Online Training Program: May - July 1996 Schedule

The July-August 1995 *Technical Bulletin* announced the January through April schedule of online training classes. Due to the ongoing negotiations of the National Network of Libraries of Medicine (NN/LM) online training contract, we have decided to announce the May through July 1996 training schedule prior to the contract award.

The May-July 1996 training schedule primarily consists of the 3-day *Fundamentals of MEDLARS Searching* training class. The 2-day specialized module covering the chemical and toxicological databases will only be offered at the National Library of Medicine (NLM) in Bethesda, Maryland. No other specialized modules will be offered.

Appendix E contains the May-July 1996 schedule and the registration form to use to apply for these classes. Send registrations for these classes to the MEDLARS Management Section (MMS) at the NLM.

The *Fundamentals* class is designed for new searchers, focusing on ELHILL commands, MEDLINE, and MeSH vocabulary. *Fundamentals* concentrates on command language searching and is not recommended for Grateful Med searchers. For training in the use of Grateful Med, contact your local medical library or the nearest NN/LM Regional Medical Library.

The Chemical/Toxicology/TOXNET specialized module includes instruction on ChemID, CHEMLINE, TOXLINE, TOXLIT, and the various TOXNET databases. It is strongly recommended that you have previous online search experience/training or prior knowledge of the ELHILL command language before attending this specialized module. No basic operations are covered and all material assumes search system familiarity.

All classes are offered at **NO CHARGE** at all locations.

How to Apply

Register using the form in Appendix E. Every attempt will be made to place training applicants in the class requested.

If a class is filled, the applicants will be registered for their second choice, and also automatically placed on a waiting list for their first choice. Approximately one month prior to the class, registrants will receive a packet with information on hotels, local site arrangements and the class agenda.

Keep the following points in mind when applying for these classes:

• It is necessary to have a MEDLARS User ID code in order to attend any of the classes.

• Please specify the class dates and sites on your form. Remember to list a second choice to expedite scheduling. Please use a separate form for each applicant.

• All classes are considered "tentative" pending sufficient enrollment one month before the class. ❑

--prepared by Janet Zipser
MEDLARS Management Section

Gold Standard

APPENDIX A

Effective January 1, 1996   Prices apply 24 hours per day.

NLM *ONLINE* PRICING ALGORITHM CHARGES TO DOMESTIC USERS

File	Connect Charge (Per Hour)	Search Statement Charge	Online Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources Disk Accesses (Per 100)	Online Character Charge (Per 1,000)
ELHILL COMPUTER						
MEDLINE® & Backfiles	$2.40	$.06	$.01	—	$.04	$.05
AIDSLINE®, AIDSTRIALS, AIDSDRUGS & DIRLINE®	FREE	FREE	FREE	—	FREE	FREE
TOXLIT® & TOXLIT65	2.40	1.78*	1.15*	—	.04	.05
TOXLINE® & TOXLINE65	2.40	.06	.01	—	.04	.05
CHEMLINE®	2.40	1.07**	.69**	—	.04	.05
ALERT & LOAN STATUS	2.40	.06	—	—	.04	—
All Others	2.40	.06	.01	—	.04	.05
PDQ®	18.00	—	—	—	—	—
DOCUSER®	FREE	FREE	FREE	—	FREE	FREE
TOXNET COMPUTER						
All Files	3.80	.08	—	.02	—	.08

- Depending largely upon the amount of information viewed/printed/downloaded, a MEDLINE search generally ranges from $1.25 - $5.00.
- The charge to ftp online search results via the Internet follows this algorithm. There are no additional charges.
- NLM has a Student Code Program for domestic users. Student codes are charged at online rates that are approximately 50% of the regular, domestic online rates.

*   Includes royalties of $1.72 per Search Statement, $1.14 per Online Citation Charge.
**   Includes royalties of $1.01 per Search Statement, $0.68 per Online Citation Charge.

NLM *OFFLINE* CHARGES TO DOMESTIC USERS

Pages	Per Page for PRT OFFLINE, OFFSEARCH, or Automatic SDIs	Per 2,000 Characters Transmitted via ftp*** for Automatic SDIs only
MEDLINE & Other Databases	$0.30	$0.10
AIDSLINE, AIDSTRIALS, AIDSDRUGS, DIRLINE & DOCUSER	FREE	FREE
TOXLIT & TOXLIT65	$2.98 (includes $2.68 royalty charge per page)	$2.78 (includes $2.68 royalty)
CHEMLINE	$1.83 (includes $1.53 royalty charge per page)	Not applicable
TOXNET Files	$0.30	Not applicable

Offsearches	Per File
MEDLINE & Other Databases	$1.00 (plus page charges)
AIDSLINE, AIDSTRIALS, AIDSDRUGS, DIRLINE & DOCUSER	FREE

Automatic SDI Searches	Per Search
SDILINE®, AVLINE®, BIOETHICSLINE®, CANCERLIT®, CATLINE®, HEALTH, HSTAR, POPLINE®, TOXLINE	$1.50 (plus page charges or ftp character charges)
AIDSLINE	FREE
TOXLIT	$7.33 (plus page charges or ftp character charges; includes $5.83 royalty charge)

***The Internet ftp data charge is applied per unit of 2,000 characters transmitted (a low estimate of how many characters fit on a page of NLM's offline print paper) using the rate of $0.05/1,000 characters from the online pricing algorithm.

NOTES: Non-U.S. online users incur charges under the NLM online pricing algorithm and are charged $ .75 extra on the connect charge (per hour) portion and $0.02/1,000 characters transmitted extra (the equivalent of $3.75/hour). There is a $0.10/page surcharge for offline print pages and a surcharge of $0.10/2,000 characters transmitted via ftp for Automatic SDI Searches. The foreign surcharge does not apply for the following databases: AIDSDRUGS, AIDSLINE, AIDSTRIALS, AVLINE, CATLINE, DIRLINE, DOCUSER, MeSH VOCABULARY FILE®, and SERLINE®.

TABLE I

New NLM Rates for CHEMLINE, TOXLIT, TOXLIT65

Effective January 1, 1996

NLM ONLINE PRICING ALGORITHM CHARGES TO DOMESTIC USERS

Prices apply 24 hours per day

Files	Connect Charge (Per Hour)	Search Statement Charge	Online Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources (Disk Accesses) (Per 100)	Online Character Charge (Per 1,000)
CHEMLINE	$2.40	$1.07*	$0.69*	——	$0.04	$0.05
TOXLIT & TOXLIT65	$2.40	$1.78**	$1.15**	——	$0.04	$0.05

*   Includes royalties of $1.01 per Search Statement, $0.68 per Online Citation Charge.
**   Includes royalties of $1.72 per Search Statement, $1.14 per Online Citation Charge.

OFFLINE CHARGES TO DOMESTIC USERS

Pages	Per Page for PRT OFFLINE, OFFSEARCH, or Automatic SDIs	Per 2,000 Characters Transmitted via ftp*** for Automatic SDIs only
CHEMLINE	$1.83 (includes $1.53 royalty charge)	Not applicable
TOXLIT & TOXLIT65	$2.98 (includes $2.68 royalty charge)	$2.78 (includes $2.68 royalty)

Offsearches	Per File
All Databases	$1.00 (plus page charges)

Automatic SDI Searches	Per Search
TOXLIT	$7.33 (plus page charges or ftp character charges; includes $5.83 royalty charge)

***The Internet ftp data charge is applied per unit of 2,000 characters transmitted (a low estimate of how many characters fit on a page of NLM's offline print paper) using the rate of $0.05/1,000 characters from the online pricing algorithm.

NOTES: Non-U.S. online users incur charges under the NLM online pricing algorithm and are charged $0.75 extra on the connect charge (per hour) portion and $0.02/1,000 characters transmitted extra (the equivalent of $3.75/hour). There is a $0.10/page surcharge for offline print pages and a surcharge of $0.10/2,000 characters transmitted via ftp for Automatic SDI Searches. The foreign surcharge does not apply for the following databases: AIDSDRUGS, AIDSLINE, AIDSTRIALS, AVLINE, CATLINE, DIRLINE, DOCUSER, MeSH VOCABULARY FILE®, and SERLINE®.

Effective January 1, 1996   Prices apply 24 hours per day.

NLM *ONLINE* PRICING ALGORITHM CHARGES TO DOMESTIC USERS

File	Connect Charge (Per Hour)	Search Statement Charge	Online Citation Charge	Interaction Charge (Carriage Returns)	Computer Resources Disk Accesses (Per 100)	Online Character Charge (Per 1,000)
ELHILL COMPUTER						
MEDLINE® & Backfiles	$2.40	$.06	$.01	—	$.04	$.05
AIDSLINE®, AIDSTRIALS, AIDSDRUGS & DIRLINE®	FREE	FREE	FREE	—	FREE	FREE
TOXLIT® & TOXLIT65	2.40	1.78*	1.15*	—	.04	.05
TOXLINE® & TOXLINE65	2.40	.06	.01	—	.04	.05
CHEMLINE®	2.40	1.07**	.69**	—	.04	.05
ALERT & LOAN STATUS	2.40	.06	—	—	.04	—
All Others	2.40	.06	.01	—	.04	.05
PDQ®	18.00	—	—	—	—	—
DOCUSER®	FREE	FREE	FREE	—	FREE	FREE
TOXNET COMPUTER						
All Files	3.80	.08	—	.02	—	.08

- Depending largely upon the amount of information viewed/printed/downloaded, a MEDLINE search generally ranges from $1.25 - $5.00.
- The charge to ftp online search results via the Internet follows this algorithm. There are no additional charges.
- NLM has a Student Code Program for domestic users. Student codes are charged at online rates that are approximately 50% of the regular, domestic online rates.

*   Includes royalties of $1.72 per Search Statement, $1.14 per Online Citation Charge.
**   Includes royalties of $1.01 per Search Statement, $0.68 per Online Citation Charge.

NLM *OFFLINE* CHARGES TO DOMESTIC USERS

Pages	**Per Page for PRT OFFLINE, OFFSEARCH, or Automatic SDIs**	**Per 2,000 Characters Transmitted via ftp*** for Automatic SDIs only**
MEDLINE & Other Databases	$0.30	$0.10
AIDSLINE, AIDSTRIALS, AIDSDRUGS, DIRLINE & DOCUSER	FREE	FREE
TOXLIT & TOXLIT65	$2.98 (includes $2.68 royalty charge per page)	$2.78 (includes $2.68 royalty)
CHEMLINE	$1.83 (includes $1.53 royalty charge per page)	Not applicable
TOXNET Files	$0.30	Not applicable

Offsearches	**Per File**
MEDLINE & Other Databases	$1.00 (plus page charges)
AIDSLINE, AIDSTRIALS, AIDSDRUGS, DIRLINE & DOCUSER	FREE

Automatic SDI Searches	**Per Search**
SDILINE®, AVLINE®, BIOETHICSLINE®, CANCERLIT®, CATLINE®, HEALTH, HSTAR, POPLINE®, TOXLINE	$1.50 (plus page charges or ftp character charges)
AIDSLINE	FREE
TOXLIT	$7.33 (plus page charges or ftp character charges; includes $5.83 royalty charge)

***The Internet ftp data charge is applied per unit of 2,000 characters transmitted (a low estimate of how many characters fit on a page of NLM's offline print paper) using the rate of $0.05/1,000 characters from the online pricing algorithm.

NOTES: Non-U.S. online users incur charges under the NLM online pricing algorithm and are charged $ .75 extra on the connect charge (per hour) portion and $0.02/1,000 characters transmitted extra (the equivalent of $3.75/hour). There is a $0.10/page surcharge for offline print pages and a surcharge of $0.10/2,000 characters transmitted via ftp for Automatic SDI Searches. The foreign surcharge does not apply for the following databases: AIDSDRUGS, AIDSLINE, AIDSTRIALS, AVLINE, CATLINE, DIRLINE, DOCUSER, MeSH VOCABULARY FILE®, and SERLINE®.

Statewide Relay Service Directory

The following are the statewide relay services available 24-hours a day, 7 days a week and 365 days a year. Please immediately inform Telecommunications for the Deaf, Inc. (TDI) at 301-589-3006 TTY, 301-589-3797 FAX, of any additions, deletions, or corrections:

State	Number	State	Number
Alabama	800-548-2546	Nebraska	800-833-7352
	800-548-2547/V		800-833-0920/V
Alaska	800-770-8973	Nevada	800-326-6868
	800-770-8255/V		800-326-6888/V
Arizona	800-367-8939	New Hampshire	*800-735-2964
	800-842-4681/V	New Jersey	800-852-7899
	602-231-0961/Phoenix		800-852-7897/V
	602-275-5779/Phoenix/V	New Mexico	800-659-8331
Arkansas	800-285-1131		800-659-1779/V
	800-285-1121/V	Albuquerque	505-275-7333
California	800-735-2929	Albuquerque	505-275-2444
	800-735-2922/V	New York	800-662-1220
Colorado	800-659-2656		800-421-1220/V
	800-659-3656/V	North Carolina	800-735-2962
	800-659-4656/C		800-735-8262/V
Connecticut	800-842-9710	North Dakota	800-366-6888
	800-833-8134/V		800-366-6889/V
Delaware	800-232-5460	Ohio	*800-750-0750
	800-232-5470/V	Oklahoma	*800-722-0353/North
District of	202-855-1234		*800-522-8506/South
Columbia	202-855-1000/V	Oregon	*800-735-2900
Florida	800-955-8771	Pennsylvania	800-654-5984
	800-955-8770/V		800-654-5988/V
Georgia	800-255-0056	Puerto Rico	800-240-2050
	800-255-0135/V		800-260-2050/V
Hawaii	711		800-208-2828/LD
	511/V		800-290-2828/V/LD
	808-643-8833	Rhode Island	*800-745-5555
	808-546-2565/V	South Carolina	*800-735-2905
Idaho	800-377-3529	South Dakota	*800-877-1113
	800-377-1363/V	Sioux	605-339-6464
Illinois	800-526-0844	Tennessee	800-848-0298
	800-526-0857/V		800-848-0299/V
Indiana	*800-743-3333	Texas	800-735-2989
Iowa	800-735-2942		800-735-2988/V
	800-735-2943/V		800-735-2991/C
Kansas	*800-766-3777	Utah	*800-346-4128
Kentucky	800-648-6056	Salt Lake	*801-298-9484
	800-648-6057/V	Ogden	*801-546-2982
Louisiana	800-846-5277	Logan	*801-752-9596
	800-947-5277/V	Provo-Orem	*801-374-2504
Maine	(in state) 1-955-DEAF	Vermont	800-253-0191
	1-955-DPRSV		800-253-0195/V
	800-437-1220	Virginia	800-828-1120
	800-457-1220/V		800-828-1140/V
Maryland	*800-735-2258	Washington	800-833-6388
Massachussetts	*800-439-2370		800-833-6384/V
Michigan	*800-649-3777		800-833-6385/B
Minnesota	*800-627-3529	Seattle	206-587-5500
Mpls-St. Paul	*612-297-5353	West Virginia	800-982-8771
Mississippi	*800-582-2233		800-982-8772/V
Missouri	800-735-2966	Wisconsin	*800-947-3529
	800-735-2466/V	Wyoming	800-877-9965
Montana	800-253-4091		800-877-9975/V
	800-253-4093/V		

* = Voice & TTY   B = Telebraille   C = Computer   V = Voice Only   Blank = TTY   LD = Long Distance

May - July 1996
NLM Online Services Training Schedule

Fundamentals of MEDLARS Searching (3-day class)

Dates	Location
May 14-16	Los Angeles, CA
May 21-23	New York, NY
June 18-20	Seattle, WA
June 24-26	Bethesda, MD
June 25-27	Houston, TX
July 16-18	Chicago, IL
July 22-24	Bethesda, MD
July 30-Aug 1	Farmington, CT

Chemical/Toxicology/TOXNET Databases (2-day class)

Dates	Location
June 27-28	Bethesda, MD

REQUEST FOR NLM ONLINE TRAINING

> Classes concentrate on command language searching
> and thus are not recommended for *Grateful Med* searchers.

TRAINEE NAME: _____ PHONE: (_____) _____ x _____

ORGANIZATION: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

User ID code: ☐☐☐☐☐   *OR*   I am also applying for a User ID code ☐

(Please include application forms for a code.)

1. **FUNDAMENTALS OF MEDLARS SEARCHING (3-DAYS)**

   DATES/SITES REQUESTED: _____   _____
                                          1st Choice   2nd Choice

2. **SPECIALIZED MODULE:**   (Requires familiarity with MEDLARS.)

   Please fill in Dates/Sites requesting:

   CHEM/TOX/TOXNET   _____   _____
       (2 Days)   1st Choice   2nd Choice

REGISTRATION FORMS SHOULD BE MAILED/FAXED TO:

> MEDLARS Management Section
> ATTN: TRAINING
> National Library of Medicine
> 8600 Rockville Pike
> Bethesda, MD 20894
> FAX: 301/496-0822

Questions?   Call 1-800-638-8480

> **ALL CLASSES ARE FREE.**

MMS 1/96

Retrieving NLM Publications in Electronic Format

There are three ways to retrieve issues of the *NLM Technical Bulletin* electronically via Internet: ftp, gopher or e-mail. New issues are added as they go to print; look for new issues on the server during the last week of February, April, June, August, October and December. Also available electronically are updated chapters of the *Online Services Reference Manual* (OSRM) and the serials publications: *List of Serials Indexed for Online Users* (LSIOU) and *List of Journals Indexed in Index Medicus* (LJI). Monthly update information for indexed titles, routinely found at the back of each *Technical Bulletin* issue, is also included in the full electronic version of the *Technical Bulletin*. If you prefer to obtain the monthly serials update information separately, this option is also available. Instructions for retrieving any of these publications are included below.

If you prefer to get your copy of the *Technical Bulletin* routinely via ftp, gopher, or e-mail, please notify MMS so that we do not continue to mail you a *Technical Bulletin*. Use the Comment/ Concern form included in the back of any issue or send an e-mail to mms@nlm.nih.gov. Please include your User ID code.

Technical Bulletin

ftp: PostScript files
            anonymous ftp to nlmpubs.nlm.nih.gov
            in the directory online/techbull

gopher: PostScript files
               gopher.nlm.nih.gov
               in the directory Online Services/MEDLARS
                Information/NLM Technical Bulletin

e-mail:
     Send an e-mail message to: files@mailserv.nlm.nih.gov. In the body of the message, enter the commands:

        SEND /nlminfo/newsletters/techbull/mmmmmm9y.ps
        END

        Note: mmmmmm9y.ps should be substituted with the proper months and year of the *Technical Bulletin*
                     to be e-mailed, e.g., octsep94.ps.
        Note: Commands must be sent in the body of the e-mail message; anything in the subject line is
                     ignored.
     After receiving the message, the e-mail file server will mail the PostScript file mmmmmm9y.ps back to you.

Online Services Reference Manual -- Updated Chapters

ftp: WordPerfect and PostScript files
            anonymous ftp to nlmpubs.nlm.nih.gov
            in the directory online/medlars/manuals

gopher: WordPerfect files
               gopher.nlm.nih.gov
               in the directory Online Services/MEDLARS
               Information/Online Services Reference
                Manuals

NLM Serials Publications: LSIOU, LJI, and updates for indexed titles

ftp: WordPerfect, PostScript and Text files
            anonymous ftp to nlmpubs.nlm.nih.gov
            in the directory online/journals

gopher: WordPerfect and Text files
               gopher.nlm.nih.gov
               in the directory Online Services/Journal
                Title Lists

Questions?
ftp: ftpadmin@nlm.nih.gov
gopher: admin@gopher.nlm.nih.gov
e-mail: admin@mailserv.nlm.nih.gov

NLM Internet Directory

The following Internet addresses may be used for specific questions and comments to NLM:

Anonymous ftp Service Assistance	ftpadmin@nlm.nih.gov
Fixed-Fee and Flat-Rate Special Agreements	ginter@nlm.nih.gov
GenBank Molecular Sequence Database Information	info@ncbi.nlm.nih.gov
Gopher and e-mail File Server Assistance	admin@gopher.nlm.nih.gov
Grateful Med	gmhelp@nlm.nih.gov
History of Medicine Division	hmdref@nlm.nih.gov
Interlibrary Loan (ILL)/DOCLINE Assistance	ill@nlm.nih.gov
International Programs Office	siegel@nlm.nih.gov
MEDLARS Management Section	mms@nlm.nih.gov
MeSH Heading Suggestions	meshsugg@nlm.nih.gov
National Center for Biotechnology Information (NCBI)	info@ncbi.nlm.nih.gov
National Information Center on Health Services Research and Health Care Technology (HSTAR/HSTAT):	nichsr@nlm.nih.gov
Office of Public Information	publicinfo@occshost.nlm.nih.gov
Online Images from the History of Medicine	oli@nlm.nih.gov
Planning and Evaluation Office	siegel@nlm.nih.gov
Preservation Information	pres@nlm.nih.gov
Reference Assistance	ref@nlm.nih.gov
Technical Services Division	tsd@nlm.nih.gov
Toxicology Information Program	toxmail@tox.nlm.nih.gov

NLM Internet Access

TELNET

MEDLARS, PDQ & TOXNET	medlars.nlm.nih.gov
Locator	locator.nlm.nih.gov
HSTAT	text.nlm.nih.gov

FTP

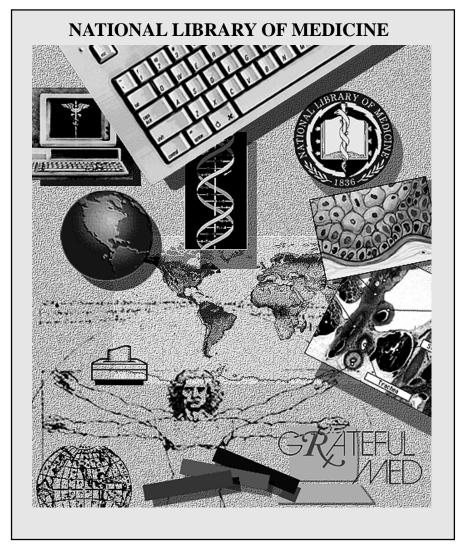|	
MEDLARS Server	medlars.nlm.nih.gov
NLM Anonymous Server	nlmpubs.nlm.nih.gov

TOOLS

World Wide Web (WWW)	http://www.nlm.nih.gov/
Gopher	gopher.nlm.nih.gov
e-mail Based File Server	files@mailserv.nlm.nih.gov

WE VALUE YOUR OPINION.
We'd like to hear your compliments and concerns.

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We work for you. Please tell us what is right and what you would like to see changed.

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National Library of Medicine
Bethesda, MD 20894 (FAX 301-496-0822)

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☐ Check here if you participate in the NLM Automatic SDI program and this address change should be applied to your SDI's.

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